

## **Structurization of ceramics based on fusible clays with the addition of wastes of Chromia-alumina catalyst**

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### **Abstract**

© 2016, International Journal of Pharmacy and Technology. All rights reserved. In this work are represented results of research of impact of waste of chromia-alumina catalyst (hereinafter CAC) on ceramic samples structure formation. It is established that with increase of CAC dose from 1.5 to 12%, general quantity of pores decreases, structure became denser. Increasing of samples burning temperature from 960 to 1160°C reduces defectiveness of structure, porosity decreases by cost of more complete filling of inter-grain space, increases the degree of ingredients packing. Results of roentgen-phase analysis and electronic microscopy show that increase of density is stipulated by larger volume of crystalline new growths that are forming in space between grains at high temperature burning, and also by increase of density of glass phase by cost of its armoring by crystals.

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### **Keywords**

And structure, Burning, Disposal, Waste of chromia-alumina catalyst (CAC)